

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Mark Labhart

GENERAL INFORMATION:

Name:	Rocore Thermal Systems, LLC
Address:	480 Southwind Drive, Burkesville, KY 42717
Date application received:	December 11, 1996
SIC/Source description:	3443 / Power Boilers and Heat Exchangers
Source ID #:	21-057-00012
Source A.I. #:	37795
Activity #:	APE20040001
Permit number:	F-05-018

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
<input type="checkbox"/> Administrative	<input type="checkbox"/> Title V
<input type="checkbox"/> Minor	<input checked="" type="checkbox"/> Synthetic minor
<input type="checkbox"/> Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy) *	Allowable (tpy)	Potential (tpy)
PM/PM ₁₀	1.3		26.9
VOC	24.4	≤ 90 **	569
HAP (by CAS)			
Ethyl Benzene (100-41-4)	0.04	≤ 9 **	0.9
Methyl Isobutyl Ketone (108-10-1)	7.6	≤ 9 **	156
Xylene (1330-20-7)	3.8	≤ 9 **	3.8
Total HAP	11.4	≤ 22.5 **	160.9

* Actual emission estimates based on 2400 gallons/year of coating per spray booth and 25 gallons per year of the internal rust preventative coating.

** Permit emission limitations

SOURCE PROCESS DESCRIPTION:

Rocore Thermal Systems produces transmission oil coolers. The manufacturing process consists of a number of machining operations, welding, brazing, cleaning metal parts and surface coating. The fabrication process is responsible for a small amount of emissions and the cleaning / painting operations produce the bulk of emissions. The facility is potentially major for HAP and VOC, but they have elected to accept Federally Enforceable emission limitations.

EMISSION AND OPERATING CAPS DESCRIPTION:

Rocore Thermal Systems, LLC has requested voluntary permit limits of less than 9.0 tons per year of individual hazardous air pollutants (HAP), less than 22.5 tons per year of combined HAPs, and less than 90 tons per year of VOC.

OPERATIONAL FLEXIBILITY:

The source is not restricted as to hours of operation or quantity of product produced while remaining within the caps above.